

MAP 4C Mid-Term Exam Review

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1 Introduction

$$1.a)(p-4)(p+5) = p^2 + 5p - 4p - 20 = p^2 + p - 20$$

$$b)(n+8)(n+2) = n^2 + 2n + 8n + 16 = n^2 + 10n + 16$$

$$c)(m+3)(m-7) = m^2 - 7m + 3m - 21 = m^2 - 4m - 21$$

$$d)(w-4)(w-6) = w^2 - 6w - 4w + 24 = w^2 - 10w + 24$$

$$e)(2x-3)(5x-4) = 10x^2 - 8x - 15x + 12 = 10x^2 - 23x + 12$$

$$f)(y-5)(2y+9) = 2y^2 + 9y - 10y - 45 = 2y^2 - y - 45$$